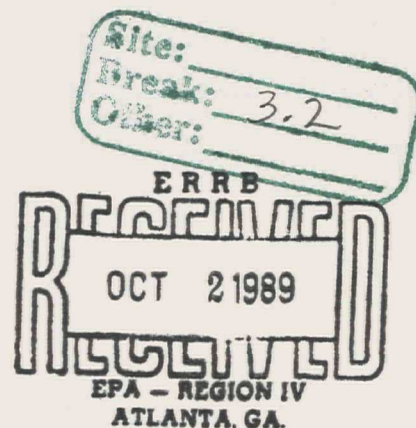




Post Office Box 24000
Greenville, South Carolina 29616
(803) 234-3000

September 27, 1989



Mr. James M. Ferguson
South Carolina Department of Health
and Environmental Control
Division of Hydrogeology
Bureau of Solid and Hazardous Waste Management
2600 Bull Street
Columbia, SC 29201

Subject: Medley Farm Site Remedial Investigation
Phase IA Ground Water Monitoring Wells
SEC Job No. G-8026

Dear Mr. Ferguson:

Pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and the Department of Health and Environmental Control's Regulations R.61-71, the following information is herein submitted for all ground water monitoring wells installed during the Phase IA of Remedial Investigations performed at the Medley Farm site located in Gaffney, South Carolina:

- Monitoring well construction details
- Monitoring well locations in accordance with the South Carolina State Planar Coordinate System.
- Surveyed "top of casing" elevations of each monitoring well in accordance with the National Geodetic Vertical Datum.
- A topographic plan of the Medley Farm Site including surveyed monitoring well locations.



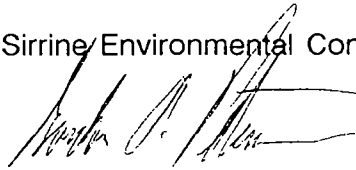
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Mr. James M. Ferguson
September 27, 1989
Page Two


If you have any questions regarding this information, please do not hesitate to call us at (803) 234-3000.

Sincerely,

Sirrine Environmental Consultants, Inc.



Gordon A. Peterson, P.E.
Project Manager


James S. Chamness, P.G.
RI Project Supervisor

Enclosures

GAP/rmb

cc: Mr. Jon Bornholm - EPA Region IV
Mr. Les Oakes
Mr. Ted Volario
Mr. Philip Connors
Project File

MEDLEY FARMS

SEC JOB NO. G-8026

WELL/PT	LONGITUDE	LATITUDE	ELEVATION SLAB	ELEVATION TOP OF PVC
BW-1	81-40-00.454	34-59-07.175	688.648	689.898
SW-1	81-40-00.734	34-59-07.128	688.658	690.468
SW-3	81-39-39.003	34-58-51.655	669.898	671.558
SW-4	81-39-49.236	34-58-44.011	668.678	671.388
MD2A*	81-39-49.677	34-58-44.738	--	670.658
BW-2	81-39-37.711	34-58-43.077	661.258	662.988
BW-3	81-39-12.903	34-58-37.836	573.438	574.818
TP-1	81-39-12.983	34-58-37.436	--	575.408
BW-4	81-39-10.868	34-58-08.916	562.648	564.318**

*SCDHEC Well

****Stainless Steel Casing**

CONTROL POINTS:

PK Nail - BW2 Long : 81-39-37.739 / N 139547.1000
Lat. : 34-58-43.074 / E 366724.7467

[illegible]

SIRRINE

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CONSULTANTS

GROUND WATER MONITORING INSTALLATION DETAIL

PROJECT: <u>MEDLEY FARM RVFS</u>	JOB NO <u>G-8026</u>
LOCATION: <u>GAFFNEY, SOUTH CAROLINA</u>	INSTALLATION NO <u>BW-1</u>
CLIENT: <u>MEDLEY FARM STEERING COMMITTEE</u>	TYPE OF INSTALLATION <u>BEDROCK MONITORING WELL</u>
CONTRACTOR: <u>ENVIRONMENTAL DRILLING & SERVICES</u>	BORING NO. <u>BW-1</u>
DRILLER: <u>D. G. FITZPATRICK</u> CERTIFICATION NO: <u>593</u>	LOCATION <u>SEE PLAN</u>
SEC FIELD REPRESENTATIVE: <u>RICHARD L. BURDINE</u>	INSTALLATION DATE <u>6/8/89</u>

SURVEY DATUM <u>N.G.V.D.</u>		TOP OF PROTECTIVE CASING (CAP OPEN) EL. <u>690.30</u> STICKUP <u>1.9 ft.</u>
GROUND SURFACE ELEVATION: <u>688.65</u>		TOP OF WELL CASING OR RISER PIPE EL. <u>689.90</u> DEPTH <u>1.5 ft.</u>
SUMMARIZE SOIL CONDITIONS, BACKFILL AND SEALS (NOT TO SCALE)	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>SAPROLITE</p> <p>NEAT CEMENT GROUT WITH 3% BENTONITE BY WEIGHT</p> <p>85.6</p> <p>85.6</p> <p>BEDROCK (GNEISS)</p> <p>OPEN CORE HOLE</p> </div> </div>	TYPE OF SURFACE SEAL <u>Concrete Pad</u> THICKNESS OF SURFACE SEAL <u>4.6 in.</u>
		TYPE OF PROTECTIVE CASING <u>Steel</u> INSIDE DIAMETER <u>6 in.</u> TOTAL LENGTH <u>3.5 ft.</u>
		BOTTOM OF PROTECTIVE CASING EL. <u>686.80</u> DEPTH <u>1.5 ft.</u>
		TYPE OF WELL CASING OR RISER PIPE <u>Stainless Steel & Sch. 40 PVC</u> INSIDE DIAMETER <u>4.0 in.</u>
		BOTTOM OF SCH. 40 PVC RISER PIPE AND TOP OF STAINLESS STEEL RISER PIPE <u>46.0 ft.</u>
		APPROXIMATE DIAMETER OF BOREHOLE <u>10 in.</u>
		BOTTOM OF CASING OR RISER PIPE EL. <u>603.05</u> DEPTH <u>85.6 ft.</u>
		TYPE OF WELLPOINT <u>Open Core Hole</u> SCREEN GAUGE OR SIZE OF OPENINGS <u>None</u> INSIDE DIAMETER <u>3.8 in.</u> TYPE OF BACKFILL AROUND POINT <u>--</u>
		BOTTOM OF WELL POINT EL. <u>--</u> DEPTH <u>--</u>
		BOTTOM OF BOREHOLE EL. <u>593.85</u> DEPTH <u>94.8 ft.</u>
• FIGURES ABOVE REFER TO DEPTH IN FEET • ALL DEPTHS ARE REFERENCED TO GROUND SURFACE		

85.6 ft. LENGTH OF RISER PIPE	+	9.2 ft. LENGTH OF CORE HOLE	=	94.8 ft. TOTAL	BENTONITE SEALS
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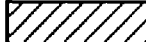
SIRRINE

ENVIRONMENTAL
CONSULTANTS

GROUND WATER MONITORING INSTALLATION DETAIL

PROJECT: <u>MEDLEY FARM SITE R/FS</u>		JOB NO <u>G-8026</u>
LOCATION: <u>GAFFNEY, SOUTH CAROLINA</u>		INSTALLATION NO <u>BW-2</u>
CLIENT: <u>MEDLEY FARM STEERING COMMITTEE</u>		TYPE OF INSTALLATION <u>BEDROCK MONITORING WELL</u>
CONTRACTOR: <u>ENVIRONMENTAL DRILLING & SERVICES</u>		BORING NO. <u>BW-2</u>
DRILLER: <u>D. G. FITZPATRICK</u>	CERTIFICATION NO: <u>593</u>	LOCATION <u>SEE PLAN</u>
SEC FIELD REPRESENTATIVE: <u>R. J. HUNT</u>		INSTALLATION DATE <u>7/24/89</u>

SURVEY DATUM <u>N.G.V.D.</u>		TOP OF PROTECTIVE CASING (CAP OPEN) EL. <u>---</u> STICKUP <u>---</u>
GROUND SURFACE ELEVATION: <u>661.26</u>		TOP OF WELL CASING OR RISER PIPE EL. <u>662.99</u> DEPTH <u>1.42 ft.</u>
SUMMARIZE SOIL CONDITIONS, BACKFILL AND SEALS (NOT TO SCALE)	SAPROLITE	TYPE OF SURFACE SEAL <u>Neat Cement Grout</u> THICKNESS OF SURFACE SEAL <u>65.0 ft.</u>
		TYPE OF PROTECTIVE CASING <u>Steel</u> INSIDE DIAMETER <u>6.0 in.</u> TOTAL LENGTH <u>5.0 ft.</u>
		BOTTOM OF PROTECTIVE CASING EL. <u>---</u> DEPTH <u>---</u>
		TYPE OF WELL CASING OR RISER PIPE <u>Stainless Steel & Sch. 40 PVC</u> INSIDE DIAMETER <u>4.0 in.</u>
		BOTTOM OF SCH. 40 PVC RISER PIPE AND TOP OF STAINLESS STEEL RISER PIPE <u>54.3 ft.</u>
	BEDROCK (FRACTURED MICA SCHIST)	APPROXIMATE DIAMETER OF BOREHOLE <u>10 in.</u>
		BOTTOM OF CASING EL. <u>596.90</u> DEPTH <u>64.36 ft.</u>
		TYPE OF WELLPOINT <u>Open Core Hole</u> SCREEN GAUGE OR SIZE OF OPENINGS <u>None</u> INSIDE DIAMETER <u>3.8 in.</u> TYPE OF BACKFILL AROUND POINT <u>---</u>
		BOTTOM OF WELL POINT EL. <u>---</u> DEPTH <u>---</u>
		BOTTOM OF BOREHOLE EL. <u>576.26</u> DEPTH <u>85.0 ft.</u>
<div style="display: flex; justify-content: space-between;"> <div> <p>60.0</p> <p>60.0</p> </div> <div> <p>NEAT CEMENT GROUT WITH 3% BENTONITE BY WEIGHT</p> <p>OPEN CORE HOLE</p> </div> </div>		
<p>• FIGURES ABOVE REFER TO DEPTH IN FEET</p> <p>• ALL DEPTHS ARE REFERENCED TO GROUND SURFACE</p>		

65.78 ft. LENGTH OF CASING	+	20.0 ft. LENGTH OF CORE HOLE	=	85.78 ft. TOTAL	BENTONITE SEALS 
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SIRRINE


ENVIRONMENTAL
CONSULTANTS

GROUND WATER MONITORING INSTALLATION DETAIL

PROJECT: <u>MEDLEY FARM SITE RI/FS</u>	JOB NO <u>G-8026</u>
LOCATION: <u>GAFFNEY, SOUTH CAROLINA</u>	INSTALLATION NO <u>BW-3</u>
CLIENT: <u>MEDLEY FARM STEERING COMMITTEE</u>	TYPE OF INSTALLATION <u>BEDROCK MONITORING WELL</u>
CONTRACTOR: <u>ENVIRONMENTAL DRILLING & SERVICES</u>	BORING NO. <u>BW-3</u>
DRILLER: <u>D. G. FITZPATRICK</u> CERTIFICATION NO: <u>593</u>	LOCATION <u>SEE PLAN</u>
SEC FIELD REPRESENTATIVE: <u>RICHARD L. BURDINE</u>	INSTALLATION DATE <u>7/18/89</u>

SURVEY DATUM <u>N.G.V.D.</u>		TOP OF PROTECTIVE CASING (CAP OPEN) EL. <u>---</u> STICKUP <u>---</u>
GROUND SURFACE ELEVATION: <u>573.44</u>		TOP OF WELL CASING OR RISER PIPE EL. <u>574.82</u> DEPTH <u>1.75 ft.</u>
SUMMARIZE SOIL CONDITIONS, BACKFILL AND SEALS (NOT TO SCALE)	SAPROLITE	TYPE OF SURFACE SEAL <u>Concrete Pad</u> THICKNESS OF SURFACE SEAL <u>4.0 in.</u>
		TYPE OF PROTECTIVE CASING <u>Steel</u> INSIDE DIAMETER <u>6.0 in.</u> TOTAL LENGTH <u>5.0 ft.</u>
		BOTTOM OF PROTECTIVE CASING EL. <u>---</u> DEPTH <u>---</u>
		TYPE OF WELL CASING OR RISER PIPE <u>Stainless Steel & Sch. 40 PVC</u> INSIDE DIAMETER <u>4.0 in.</u>
		BOTTOM OF SCH. 40 PVC RISER PIPE AND TOP OF STAINLESS STEEL RISER PIPE <u>3.2 ft.</u>
	NEAT CEMENT GROUT WITH 3% BENTONITE BY WEIGHT	APPROXIMATE DIAMETER OF BOREHOLE <u>10 in.</u>
		BOTTOM OF CASING OR RISER PIPE EL. <u>538.44</u> DEPTH <u>35.0 ft.</u>
		TYPE OF WELLPOINT <u>Open Core Hole</u> SCREEN GAUGE OR SIZE OF OPENINGS <u>None</u> INSIDE DIAMETER <u>3.8 in.</u> TYPE OF BACKFILL AROUND POINT <u>---</u>
		BOTTOM OF WELL POINT EL. <u>---</u> DEPTH <u>---</u>
		BOTTOM OF BOREHOLE EL. <u>518.44</u> DEPTH <u>55.0 ft.</u>
BEDROCK (GNEISS)	OPEN CORE HOLE	

• FIGURES ABOVE REFER TO DEPTH IN FEET • ALL DEPTHS ARE REFERENCED TO GROUND SURFACE

36.75 ft.	+	20.0 ft.	=	56.75 ft.	BENTONITE SEALS 
LENGTH OF RISER PIPE		LENGTH OF CORE HOLE		TOTAL	

SIRRINE


ENVIRONMENTAL
CONSULTANTS

GROUND WATER MONITORING INSTALLATION DETAIL

PROJECT: <u>MEDLEY FARM SITE RI/FS</u>	JOB NO <u>G-8026</u>
LOCATION: <u>GAFFNEY, SOUTH CAROLINA</u>	INSTALLATION NO <u>BW-4</u>
CLIENT: <u>MEDLEY FARM STEERING COMMITTEE</u>	TYPE OF INSTALLATION <u>BEDROCK MONITORING WELL</u>
CONTRACTOR: <u>ENVIRONMENTAL DRILLING & SERVICES</u>	BORING NO. <u>BW-4</u>
DRILLER: <u>D. G. FITZPATRICK</u> CERTIFICATION NO: <u>593</u>	LOCATION <u>SEE PLAN</u>
SEC FIELD REPRESENTATIVE: <u>RICHARD L. BURDINE</u>	INSTALLATION DATE <u>7/14/89</u>

SURVEY DATUM <u>N.G.V.D.</u>		TOP OF PROTECTIVE CASING (CAP OPEN) EL. <u>--</u> STICKUP <u>--</u>
GROUND SURFACE ELEVATION: <u>562.65</u>		TOP OF WELL CASING OR RISER PIPE EL. <u>564.32</u> DEPTH <u>1.8 ft.</u>
SUMMARIZE SOIL CONDITIONS, BACKFILL AND SEALS (NOT TO SCALE)	ALLUVIUM 5.0	TYPE OF SURFACE SEAL <u>Neat Cement Grout</u> THICKNESS OF SURFACE SEAL <u>4.0 in.</u>
	SAPROLITE	TYPE OF PROTECTIVE CASING <u>Steel</u> INSIDE DIAMETER <u>6.0 in.</u> TOTAL LENGTH <u>5.0 ft.</u>
		BOTTOM OF PROTECTIVE CASING EL. <u>--</u> DEPTH <u>--</u>
		TYPE OF WELL CASING OR RISER PIPE <u>Stainless Steel</u> INSIDE DIAMETER <u>4.0 in.</u>
	NEAT CEMENT GROUT WITH 3% BENTONITE BY WEIGHT	APPROXIMATE DIAMETER OF BOREHOLE <u>10 in.</u>
		BOTTOM OF CASING OR RISER PIPE EL. <u>544.65</u> DEPTH <u>18.0 ft.</u>
		TYPE OF WELL POINT <u>Open Core Hole</u> SCREEN GAUGE OR SIZE OF OPENINGS <u>None</u> INSIDE DIAMETER <u>3.8 in.</u> TYPE OF BACKFILL AROUND POINT <u>--</u>
	BEDROCK (GNEISS)	BOTTOM OF WELL POINT EL. <u>--</u> DEPTH <u>--</u>
	OPEN CORE HOLE	BOTTOM OF BOREHOLE EL. <u>531.65</u> DEPTH <u>31.0 ft.</u>

• FIGURES ABOVE REFER TO DEPTH IN FEET • ALL DEPTHS ARE REFERENCED TO GROUND SURFACE

19.8 ft.	+	13.0 ft.	=	32.8 ft.	BENTONITE SEALS 
LENGTH OF RISER PIPE		LENGTH OF CORE HOLE		TOTAL	

SIRRINE

ENVIRONMENTAL
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GROUND WATER MONITORING INSTALLATION DETAIL

PROJECT: <u>MEDLEY FARM SITE R/FS</u>		JOB NO <u>G-8026</u>
LOCATION: <u>GAFFNEY, SOUTH CAROLINA</u>		INSTALLATION NO <u>SW-1</u>
CLIENT: <u>MEDLEY FARM STEERING COMMITTEE</u>		TYPE OF INSTALLATION <u>SAPROLITE MONITORING WELL</u>
CONTRACTOR: <u>ENVIRONMENTAL DRILLING & SERVICES</u>		BORING NO. <u>SW-1</u>
DRILLER: <u>D. G. FITZPATRICK</u>	CERTIFICATION NO: <u>593</u>	LOCATION <u>SEE PLAN</u>
SEC FIELD REPRESENTATIVE: <u>RICHARD L. BURDINE</u>		INSTALLATION DATE <u>6/13/89</u>

SURVEY DATUM <u>N.G.V.D.</u>		TOP OF PROTECTIVE CASING (CAP OPEN) EL. <u>690.57</u> STICKUP <u>2.5 ft.</u>	
GROUND SURFACE ELEVATION: <u>688.66</u>		TOP OF WELL CASING OR RISER PIPE EL. <u>690.47</u> DEPTH <u>2.4 ft.</u>	
SUMMARIZE SOIL CONDITIONS, BACKFILL AND SEALS (NOT TO SCALE)	CLAYEY SILT (ML) 7.0		TYPE OF SURFACE SEAL <u>Concrete Pad</u> THICKNESS OF SURFACE SEAL <u>4.0 in.</u>
	SILT (ML) 48.0		TYPE OF PROTECTIVE CASING <u>Steel</u> INSIDE DIAMETER <u>4.0 in.</u> TOTAL LENGTH <u>4.4 ft.</u>
			BOTTOM OF PROTECTIVE CASING EL. <u>686.17</u> DEPTH <u>1.9 ft.</u>
			TYPE OF WELL CASING OR RISER PIPE <u>Sch. 40 PVC</u> INSIDE DIAMETER <u>2.0 in.</u>
	CLAYEY SILT WITH SAND (ML) 48.0		APPROXIMATE DIAMETER OF BOREHOLE <u>10 in.</u>
			TOP OF WELL POINT EL. <u>644.46</u> DEPTH <u>44.2 ft.</u>
			TYPE OF WELLPOINT <u>Stainless Steel</u> SCREEN GAUGE OR SIZE OF OPENINGS <u>0.010 in.</u> INSIDE DIAMETER <u>2.0 in.</u> TYPE OF BACKFILL AROUND POINT <u>FX-50 Silica Sand</u>
	FOSTER-DIXIANA FX-50 SILICA SAND		BOTTOM OF WELL POINT EL. <u>629.26</u> DEPTH <u>59.4 ft.</u>
			BOTTOM OF BOREHOLE EL. <u>623.66</u> DEPTH <u>65.0 ft.</u>

NEAT CEMENT GROUT WITH 3% BENTONITE BY WEIGHT
 37.5 ft. BENTONITE
 39.83 ft. FOSTER DIXIANA FX-30 SILICA SAND
 41.9 ft. FOSTER-DIXIANA FX-50 SILICA SAND

• FIGURES ABOVE REFER TO DEPTH IN FEET
 • ALL DEPTHS ARE REFERENCED TO GROUND SURFACE

46.60 ft.	+	15.2 ft.	=	61.80 ft.	BENTONITE SEALS
LENGTH OF RISER PIPE		LENGTH OF POINT		TOTAL	

CASING TALLY

WELL NUMBER

SW-1

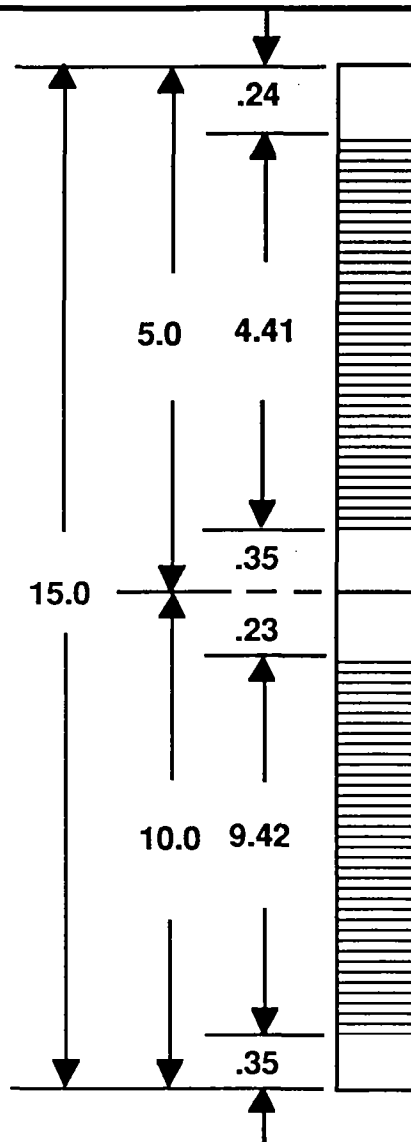
ITEM NUMBER

DESCRIPTION

**LENGTH
(FEET)**

**SCREEN DIAGRAM
(FEET)**

- | | | |
|----|---|-----------|
| 1. | Flush Threaded 2.0 in.
I.D. Sch. 40 PVC
Riser Pipe | 6.63 ft. |
| 2. | Flush Threaded 2.0 in.
I.D. Sch. 40 PVC
Riser Pipe | 10.00 ft. |
| 3. | Flush Threaded 2.0 in.
I.D. Sch. 40 PVC
Riser Pipe | 10.00 ft. |
| 4. | Flush Threaded 2.0 in.
I.D. Sch. 40 PVC
Riser Pipe | 10.00 ft. |
| 5. | Flush Threaded 2.0 in.
I.D. Sch. 40 PVC
Riser Pipe | 10.00 ft. |
| 6. | Flush Threaded 2.0 in.
I.D. Stainless Steel
screen, 0.010 in. slot. | 5.0 ft. |
| 7. | Flush Threaded 2.0 in.
I.D. Stainless Steel
screen, 0.010 in. slot. | 10.00 ft. |
| 8. | Stainless Steel Flush
Threaded Cap | 0.2 ft. |



Total 61.83 ft.

Client

MEDLEY FARM

GAFFNEY SC

Job

G-8026

Date Completed

6/13/89

SIRRINE

ENVIRONMENTAL
CONSULTANTS

GROUND WATER MONITORING INSTALLATION DETAIL

PROJECT: <u>MEDLEY FARM SITE RI/FS</u>		JOB NO <u>G-8026</u>
LOCATION: <u>GAFFNEY, SOUTH CAROLINA</u>		INSTALLATION NO <u>SW-3</u>
CLIENT: <u>MEDLEY FARM STEERING COMMITTEE</u>		TYPE OF INSTALLATION <u>SAPROLITE MONITORING WELL</u>
CONTRACTOR: <u>ENVIRONMENTAL DRILLING & SERVICES</u>		BORING NO. <u>SW-3</u>
DRILLER: <u>D. G. FITZPATRICK</u>	CERTIFICATION NO: <u>593</u>	LOCATION <u>SEE PLAN</u>
SEC FIELD REPRESENTATIVE: <u>RICHARD L. BURDINE</u>		INSTALLATION DATE <u>6/23/89</u>

SURVEY DATUM <u>N.G.V.D.</u>		TOP OF PROTECTIVE CASING (CAP OPEN) EL. <u>--</u> STICKUP <u>--</u>	
GROUND SURFACE ELEVATION: <u>669.90</u>		TOP OF WELL CASING OR RISER PIPE EL. <u>671.56</u> DEPTH <u>2.08 ft.</u>	
SUMMARIZE SOIL CONDITIONS, BACKFILL AND SEALS (NOT TO SCALE)	SILT (ML)	NEAT CEMENT GROUT WITH 3% BENTONITE BY WEIGHT	TYPE OF SURFACE SEAL <u>Concrete Pad</u>
	11.0		THICKNESS OF SURFACE SEAL <u>4.0 in.</u>
	SILT WITH SAND (ML)		TYPE OF PROTECTIVE CASING <u>Steel</u>
	50.0	BENTONITE	INSIDE DIAMETER <u>4.0 in.</u>
	SILT (ML)		TOTAL LENGTH <u>5.0 ft.</u>
			54.75 ft.
		57.5 ft.	TYPE OF WELL CASING OR RISER PIPE <u>Sch. 40 PVC</u>
	FOSTER DIXIANA FX-30 SILICA SAND	60.1 ft.	INSIDE DIAMETER <u>2.0 in.</u>
		FOSTER-DIXIANA FX-50 SILICA SAND	APPROXIMATE DIAMETER OF BOREHOLE <u>10 in.</u>
			TOP OF WELL POINT EL. <u>608.11</u> DEPTH <u>61.79 ft.</u>
75.0	FOSTER-DIXIANA FX-50 SILICA SAND		TYPE OF WELLPOINT <u>Stainless Steel</u>
SAPROLITE (HIGHLY WEATHERED GNEISS)		SCREEN GAUGE OR SIZE OF OPENINGS <u>0.010 in.</u>	
		INSIDE DIAMETER <u>2.0 in.</u>	
			TYPE OF BACKFILL AROUND POINT <u>FX-50 Silica Sand</u>
		BOTTOM OF WELL POINT EL. <u>592.90</u> DEPTH <u>77.0 ft.</u>	
		BOTTOM OF BOREHOLE EL. <u>590.90</u> DEPTH <u>79.0 ft.</u>	

• FIGURES ABOVE REFER
TO DEPTH IN FEET

• ALL DEPTHS ARE REFERENCED
TO GROUND SURFACE

63.87 ft.		15.21 ft.		79.08 ft.
LENGTH OF RISER PIPE	+	LENGTH OF POINT	=	TOTAL

BENTONITE SEALS



CASING TALLY

WELL NUMBER

SW-3

ITEM NUMBER	DESCRIPTION	LENGTH (FEET)	SCREEN DIAGRAM (FEET)
-------------	-------------	------------------	--------------------------

1. Flush Threaded 2.0 in. I.D. Sch. 40 PVC Riser Pipe

1.9 ft.

2. Flush Threaded 2.0 in. I.D. Sch. 40 PVC Riser Pipe

2.0 ft.

3. Flush Threaded 2.0 in. I.D. Sch. 40 PVC Riser Pipe

9.99 ft.

4. Flush Threaded 2.0 in. I.D. Sch. 40 PVC Riser Pipe

9.99 ft.

5. Flush Threaded 2.0 in. I.D. Sch. 40 PVC Riser Pipe

9.99 ft.

6. Flush Threaded 2.0 in. I.D. Sch. 40 PVC Riser Pipe

10.00 ft.

7. Flush Threaded 2.0 in. I.D. Sch. 40 PVC Riser Pipe

10.00 ft.

8. Flush Threaded 2.0 in. I.D. Sch. 40 PVC Riser Pipe

10.00 ft.

9. Stainless Steel 2 in. I.D. Flush Threaded Screen; 0.010 in. slot

5.0 ft.

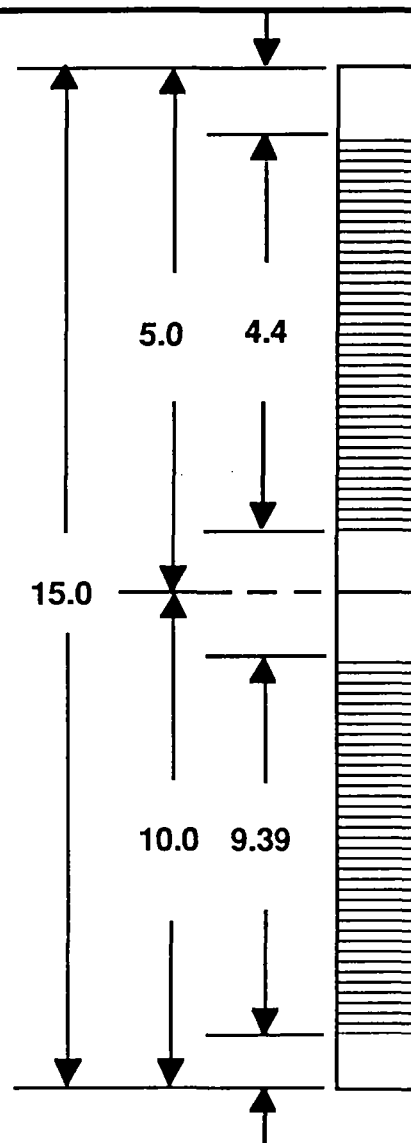
10. Stainless Steel 2 in. I.D. Flush Threaded Screen; 0.010 in. slot

10.00 ft.

11. Stainless Steel 2 in. I.D. Flush threaded cap.

0.21 ft.

Total 79.08 ft.



Client

MEDLEY FARM

GAFFNEY SC

Job

G-8026

Date Completed

6/23/89


SIRRINE

ENVIRONMENTAL
CONSULTANTS

GROUND WATER MONITORING INSTALLATION DETAIL

PROJECT: <u>MEDLEY FARM SITE RI/FS</u>		JOB NO <u>G-8026</u>
LOCATION: <u>GAFFNEY, SOUTH CAROLINA</u>		INSTALLATION NO <u>SW-4</u>
CLIENT: <u>MEDLEY FARM STEERING COMMITTEE</u>		TYPE OF INSTALLATION <u>SAPROLITE MONITORING WELL</u>
CONTRACTOR: <u>ENVIRONMENTAL DRILLING & SERVICES</u>		BORING NO. <u>SW-4</u>
DRILLER: <u>D. G. FITZPATRICK</u>	CERTIFICATION NO: <u>593</u>	LOCATION <u>SEE PLAN</u>
SEC FIELD REPRESENTATIVE: <u>RICHARD L. BURDINE</u>		INSTALLATION DATE <u>7/12/89</u>

SURVEY DATUM <u>N.G.V.D.</u>		TOP OF PROTECTIVE CASING (CAP OPEN) EL. <u>--</u> STICKUP <u>--</u>	
GROUND SURFACE ELEVATION: <u>668.68</u>		TOP OF WELL CASING OR RISER PIPE EL. <u>671.39</u> DEPTH <u>3.2 ft.</u>	
SUMMARIZE SOIL CONDITIONS, BACKFILL AND SEALS (NOT TO SCALE)	SILTY CLAY (ML) 7.0	TYPE OF SURFACE SEAL <u>Concrete Pad</u> THICKNESS OF SURFACE SEAL <u>4.0 in.</u>	
	SILT (ML) 50.0	TYPE OF PROTECTIVE CASING <u>Steel</u> INSIDE DIAMETER <u>4.0 in.</u> TOTAL LENGTH <u>5.0 ft.</u>	
		BOTTOM OF PROTECTIVE CASING EL. <u>--</u> DEPTH <u>--</u>	
	SANDY SILT (ML) 55.0	TYPE OF WELL CASING OR RISER PIPE <u>Sch. 40 PVC</u> INSIDE DIAMETER <u>2.0 in.</u>	
		APPROXIMATE DIAMETER OF BOREHOLE <u>10 in.</u>	
	SILT (ML)	TOP OF WELL POINT EL. <u>615.58</u> DEPTH <u>53.1 ft.</u>	
		TYPE OF WELL POINT <u>Stainless Steel</u> SCREEN GAUGE OR SIZE OF OPENINGS <u>0.010 in.</u> INSIDE DIAMETER <u>2.0 in.</u> TYPE OF BACKFILL AROUND POINT <u>Foster-Dixiana FX-50</u>	
		BOTTOM OF WELL POINT EL. <u>600.38</u> DEPTH <u>68.3 ft.</u>	
	NEAT CEMENT GROUT WITH 3% BENTONITE BY WEIGHT 46.2 ft. BENTONITE 49.1 ft. FOSTER DIXIANA FX-30 SILICA SAND 51.5 ft. FOSTER-DIXIANA FX-50 SILICA SAND		BOTTOM OF BOREHOLE EL. <u>598.18</u> DEPTH <u>70.5 ft.</u>
	• FIGURES ABOVE REFER TO DEPTH IN FEET • ALL DEPTHS ARE REFERENCED TO GROUND SURFACE		

56.3 ft.	+	15.2 ft.	=	71.5 ft.	BENTONITE SEALS 
LENGTH OF RISER PIPE		LENGTH OF POINT		TOTAL	

CASING TALLY

WELL NUMBER

SW-4

ITEM NUMBER	DESCRIPTION	LENGTH (FEET)	SCREEN DIAGRAM (FEET)
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1. 2.0 in. I.D. Sch. 40 PVC Flush Threaded Riser Pipe

2.0 ft.

2. 2.0 in. I.D. Sch. 40 PVC Flush Threaded Riser Pipe

4.9 ft.

3. 2.0 in. I.D. Sch. 40 PVC Flush Threaded Riser Pipe

10.0 ft.

4. 2.0 in. I.D. Sch. 40 PVC Flush Threaded Riser Pipe

9.85 ft.

5. 2.0 in. I.D. Sch. 40 PVC Flush Threaded Riser Pipe

9.85 ft.

6. 2.0 in. I.D. Sch. 40 PVC Flush Threaded Riser Pipe

9.85 ft.

7. 2.0 in. I.D. Sch. 40 PVC Flush Threaded Riser Pipe

9.85 ft.

8. 2.0 in. I.D., 0.010 in. slot, Stainless Steel Screen

10.0 ft.

9. 2.0 in. I.D., 0.010 in. slot, Stainless Steel Screen

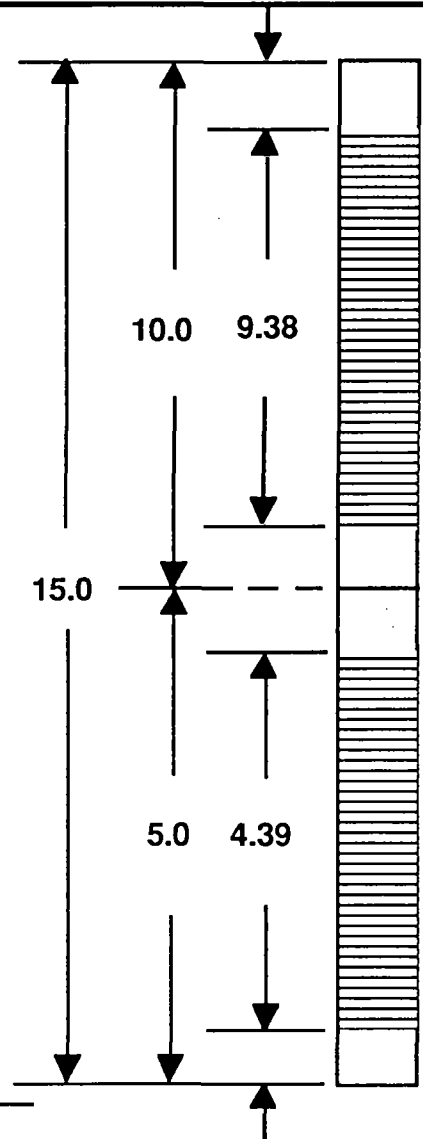
5.0 ft.

10. 2.0 in. Stainless Steel Cap

.2 ft.

Total

71.5 ft.



Client

MEDLEY FARM

GAFFNEY SC

Job

G-8026

Date Completed

6/23/89

SIRRINE


ENVIRONMENTAL
CONSULTANTS

GROUND WATER MONITORING INSTALLATION DETAIL

PROJECT: <u>MEDLEY FARM SITE RI/FS</u>	JOB NO. <u>G-8026</u>
LOCATION: <u>GAFFNEY, SOUTH CAROLINA</u>	INSTALLATION NO. <u>TP-1</u>
CLIENT: <u>MEDLEY FARM STEERING COMMITTEE</u>	TYPE OF INSTALLATION <u>TEMPORARY PIEZOMETER</u>
CONTRACTOR: <u>ENVIRONMENTAL DRILLING & SERVICES</u>	BORING NO. <u>TP-1</u>
DRILLER: <u>D. G. FITZPATRICK</u> CERTIFICATION NO: <u>593</u>	LOCATION <u>SEE PLAN</u>
SEC FIELD REPRESENTATIVE: <u>R. J. HUNT</u>	INSTALLATION DATE <u>7/24/89</u>

SURVEY DATUM <u>N.G.V.D.</u>		TOP OF PROTECTIVE CASING (CAP OPEN) EL. <u>--</u> STICKUP <u>N/A</u>	
GROUND SURFACE ELEVATION: <u>573.41</u>		TOP OF WELL CASING OR RISER PIPE EL. <u>575.41</u> DEPTH <u>2.0 ft.</u>	
SUMMARIZE SOIL CONDITIONS, BACKFILL AND SEALS (NOT TO SCALE)	WELL GRADED SAND (SW)	BENTONITE PELLETS 1.5 ft.	TYPE OF SURFACE SEAL <u>Bentonite Pellets</u>
			THICKNESS OF SURFACE SEAL <u>1.5 in.</u>
	8.0 ft.	FX-50 QUARTZ SAND	TYPE OF PROTECTIVE CASING <u>N/A</u>
			INSIDE DIAMETER <u>N/A</u>
	SILT (ML)		TOTAL LENGTH <u>N/A</u>
			BOTTOM OF PROTECTIVE CASING EL. <u>--</u> DEPTH <u>N/A</u>
			TYPE OF WELL CASING OR RISER PIPE <u>Sch. 40 PVC</u>
			INSIDE DIAMETER <u>2.0 in.</u>
			APPROXIMATE DIAMETER OF BOREHOLE <u>7.0 in.</u>
			TOP OF WELL POINT EL. <u>570.41</u> DEPTH <u>3.0 ft.</u>
		TYPE OF WELLPOINT <u>Sch. 40 PVC</u>	
		SCREEN GAUGE OR SIZE OF OPENINGS <u>0.010 in.</u>	
		INSIDE DIAMETER <u>2.0 in.</u>	
		TYPE OF BACKFILL AROUND POINT <u>FX-50 Sand</u>	
		BOTTOM OF WELL POINT EL. <u>560.30</u> DEPTH <u>13.11 ft.</u>	
		BOTTOM OF BOREHOLE EL. <u>558.41</u> DEPTH <u>15.0 ft.</u>	

• FIGURES ABOVE REFER TO DEPTH IN FEET • ALL DEPTHS ARE REFERENCED TO GROUND SURFACE

5.0 ft.	+	10.11 ft.	=	15.11 ft.
LENGTH OF RISER PIPE		LENGTH OF POINT		TOTAL
				BENTONITE SEALS 

CASING TALLY

WELL NUMBER

TP-1

ITEM NUMBER	DESCRIPTION	LENGTH (FEET)	SCREEN DIAGRAM (N.T.S.)
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1. Flush Threaded 2.0 in.
I.D. Sch. 40 PVC Riser
Pipe

5.0 ft.

2. Flush Threaded 2.0 in.
I.D. Sch. 40 PVC
screen, 0.010 slot.

10.00 ft.

3. Sch. 40 PVC Flush
Threaded Cap

0.11 ft.

Total

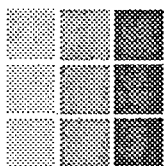
15.20 ft.

0.43 ft.

9.02 ft.

10.00 ft.

0.55 ft.



SIRRINE
ENVIRONMENTAL
CONSULTANTS

Client

MEDLEY FARMS

GAFFNEY, SC

Job

G-8026

Date Completed

7-24-89